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report

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CENTRAL INTELLIGENCE AGENCY

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COUNTRY	Czechoslovakia	REPORT	
SUBJECT	Concrete Mixing Plant at the Lipno Dam	DATE DISTR.	15 March 1957 25X1
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DATE OF INFO.		REFERENCES	
PLACE & DATE ACQ.			25X1

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

photograph, with explanation, of a 25X1
concrete mixing plant (betonarni budova) at the Lipno Dam construction near
Lipno (N 48-38, E 14-14).

25X1

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1. "Betonarni budova"; the concrete mixer is assembled from prefabricated parts which are of metal structure and covered with plates.
2. Transportation of cement; transportation is done by conveyor belts which travel from the silos placed by the railroad unloading station to the main silo placed next to the Betonarni budova. The conveyor belt is installed on wooden scaffolding. The differences in height are overcome by a tower system; the conveyor runs through the tower and has pockets. These pockets help the transfer the cement on another belt and at the same time the cement is kept in ruffled form.
3. Grinder; the grinder is a large building which is also assembled from prefabricated parts. Here several system of mills are installed for grinding of gravel.
4. Transportation of gravel into the grinder; gravel is being transported into the grinder by conveyor belts. (On the Lipno dam construction two belts were used.) The belts meet in front of the concrete mixer from where they travel via the main conveyor belt into the grinder.
5. Transportation of ground gravel into the concrete mixer; from the grinder the belt (covered) leads into the upper part of the concrete mixer and then leads onto the sorting system.
6. Transportation of finished concrete; the ready-to-use concrete which is loaded on special carts from the two mixers placed on the ground floor of the Betonarni budova is shipped by narrow gauge rail to the place of need.

Output: The two mixers suppose to hold one cubic meter of concrete each and every 60 seconds they should unload mixed concrete. In the spring of 1956 the amount of concrete used on the construction of the Lipno dam was 500 cubic meters of concrete daily during three shifts, and still the output capacity was not fully exhausted.

According to the output chart the capacity of the Betonarni budova should be 100-120 hundred-kilo weight of concrete per one hour. In the plan for 1956 was stated that the 'Betonarka' (mixer) should produce 63 thousands of cubic meters of concrete.

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